

ABSTRACT

An ergonomic backpack having an automatic suspension system is disclosed. A series of top straps, side straps, bottom straps and optional support members serve to move the backpack center of gravity higher in the backpack and closer to the
5 wearer's body, significantly redistributing the load borne by the wearer's shoulders along a longer portion of the body and back. The body of the backpack can be made so that the interior compartment of the backpack body is transparent and the contents of the backpack are visible to the human eye. The invention also comprises an optional yoke and lumbar pad. This backpack of allows the wearer to bear heavier
10 loads for a longer period of time with less fatigue, thus reducing the possibility of debilitating musculoskeletal difficulties.

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